



# TORO 1000

## TECHNICAL FEATURES

- **Input Specifications:**

Input voltage- 100÷240Vac  $\pm$ 10% 50-60Hz;  
Input Current - 15A Max; P.F. - 0,99; Efficiency  
230V @48V - 92%; IP protection IP 66

- **Output Specifications:**

24V 36V 48V  
30A 20A 15A

- **Battery Type:**

Lead Acid (Wet / AGM / GEL); Customizable Profiles (via software)

- **Protections:**

Heat Sink thermal Sensor, internal thermal protection, mains input voltage protection out of range, input frequency protection out of range, output protection, battery reverse polarity protection

- **Functions:**

Equalization curve, maintenance curve, timer work hours, storage of errors, real time parameter display, internal fan speed control, remote and local signaling charging state, auxiliary contact mains presence.

- **Environmental Specifications:**

Natural cooling; Storage temperature -25+60°C, Operating Temperature -25 +50°C

- **Dimensions:**

8.85in Width; 4.17in Height; 11in Depth (225mm x 106mm x 280mm) – 10.14 lb. (4,6 Kg)



SPE ELETTRONICA INDUSTRIALE srl

Via di Mezzo Ponente 383 – 40014 – Crevalcore - Bologna

Tel +39 051 982158 Fax +39 051 981793 info@spechargers.com www.spechargers.com